

Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims

1. **(Currently Amended)** A method of preventing a first partition of a partitionable computer system from transmitting a packet to a second partition of the partitionable computer system comprising:
 receiving the packet from the first partition by a routing device, the packet comprising a source address and a destination address;
 reading the destination address of the packet;
 determining if the packet destination is within the first partition ~~is allowed to be received by the destination address;~~ and
 prohibiting transmission of the packet to the destination address when the destination address is not within the first partition. ~~allowed to receive the packet.~~
2. **(Currently Amended)** The method of claim 1 wherein the determining comprises comparing the destination address to a set of addresses in the first partition in a routing table.
3. **(Original)** The method of claim 1 wherein the determining comprises indexing a bit mask.
4. **(Original)** The method of claim 1 wherein the prohibiting comprises dropping the packet.
5. **(Original)** The method of claim 4 further comprising transmitting a notification to the source address that the packet was dropped.

6. (Original) The method of claim 4 further comprising generating a time out by the source address when a response to the packet is not received within a specified time period.

7. (Original) The method of claim 1 wherein the routing device is a crossbar.

8. **(Currently Amended)** A system for preventing a first partition of a partitionable computer system from transmitting a packet to a second partition of the partitionable computer system comprising:

a processor of the first partition configured to assemble the packet, the packet comprising a source address and a destination address;

a transmitter in communication with the processor, the transmitter configured to transmit the packet; and

a routing device that receives the packet comprising a port and a firewall in communication with the port, wherein the routing device does not send the packet to the destination address if the destination address is not within the first partition.

9. (Original) The system of claim 8 wherein the routing device is a crossbar.

10. **(Currently Amended)** The system of claim 8 wherein the firewall comprises a routing table of allowed-destination addresses that are within the first partition.

11. **(Currently Amended)** The system of claim 8 wherein the firewall comprises a bit mask of addresses within the first partition.

12. **(Currently Amended)** The system of claim 8 wherein the routing device is configured to drop the packet when the firewall determines the destination address is not within the first partition ~~allowed to receive the packet.~~

13. (Original) The system of claim 12 wherein the routing device further comprises a transmitter configured to send an error message to the source address of the packet when the packet is dropped.

14. (Currently Amended) The system of claim 12 wherein the source address ~~transmitting device~~ is further configured to generate a time out signal ~~for the source address~~ when a response to the packet is not received within a specified time period.

15. (Currently Amended) A routing device in communication with a first partition of a partitionable computer system configured to prevent the transmission of a packet between the first partition and a second partition comprising:

a port in communication with the first partition configured to receive the packet, the packet having a source address and a destination address; and

a firewall associated with the port, wherein the firewall blocks sending the packet to the destination address if the destination address is not within the first partition.

16. (Currently Amended) The routing device of claim 15 wherein the firewall comprises a routing table of ~~allowed-destination addresses~~ that are within the first partition.

17. (Currently Amended) The routing device of claim 15 wherein the firewall comprises a bit mask of addresses within the first partition.

18. (Currently Amended) The routing device of claim 15 wherein the firewall is configured to drop the packet when the firewall determines the destination address is not within the first partition. ~~allowed to receive the packet.~~

19. (Original) The routing device of claim 18 wherein the routing device further comprises a transmitter configured to send an error message to the source address of the packet when the packet is dropped.